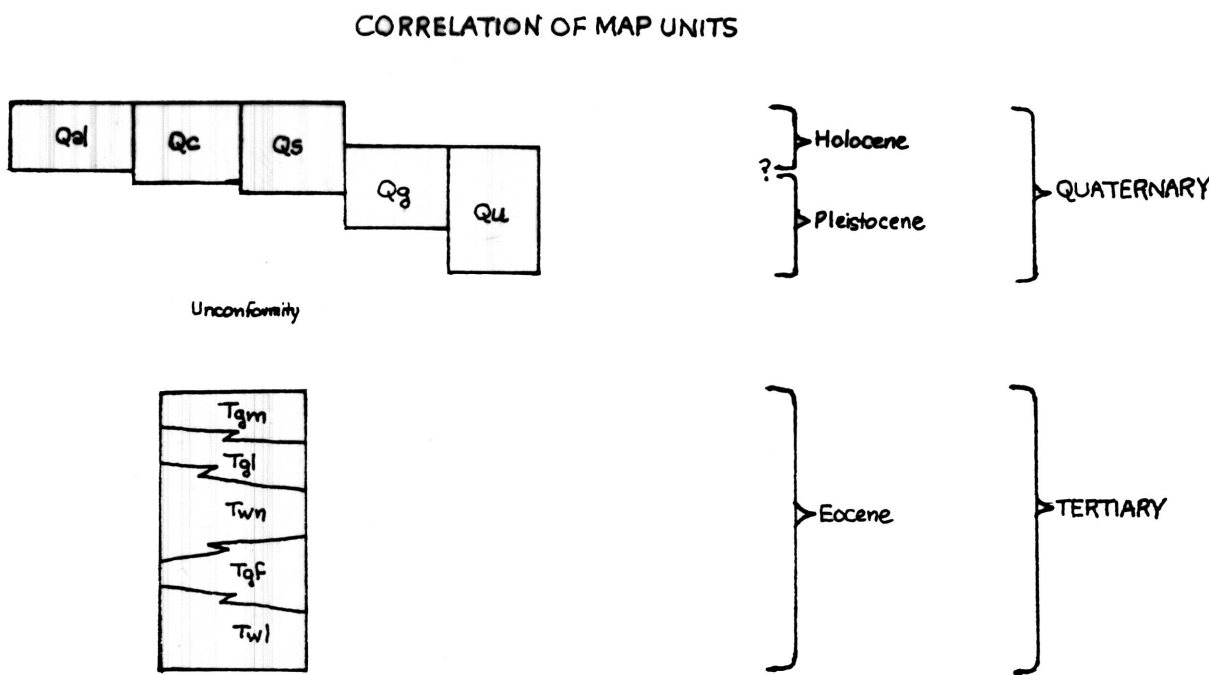













by
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DESCRIPTION OF MAP UNITS

- | | |
|-----|--|
| Qal | ALLUVIUM (HOLOCENE) —Unconsolidated gravel, sand, silt and clay, in stream valleys. |
| Qc | COLLUVIUM (HOLOCENE AND PLEISTOCENE) ? —Unconsolidated slope wash and talus, mostly sand, silt and gravel derived from mass wasting of high, dissected terrace deposits of the Green River. |
| Qs | LANDSLIDE DEPOSITS (HOLOCENE AND PLEISTOCENE) ? —Both large and small slide blocks and slump masses broken from adjacent cliffs during mass wasting and undercutting of resistant units. |
| Qgl | TERRACE GRAVELS (HOLOCENE AND PLEISTOCENE) —Gravel-capped remnants of terraces along the Green River; locally cemented; some slumping at higher elevations; two levels mapped. |
| Qgh | |
| | Qgl, Lower terrace gravels; at elevations of 6600-6700 feet and about 35-100 feet above present stream level; |
| | Qgh, Higher terrace gravels; at elevations of 6800-6850 feet and about 200-300 feet above present stream level. |
| Qu | UNDIFFERENTIATED SURFICIAL DEPOSITS (HOLOCENE AND PLEISTOCENE) —Alluvium, colluvium, alluvial fan, mudflow and boulder deposits along tributaries of the Green River, characterized by white-weathering blocks of algal limestone derived from units of the Green River Formation; commonly caps ridges of underlying Wasatch Formation; remnants found on highest terrace levels. |
| Tgm | GREEN RIVER FORMATION, MIDDLE TONGUE (EOCENE) —Two mappable parts: |
| Tgl | |
| | Tgm, Upper part; sandstone light gray, weathers tan to brown, massive, cliff-forming at base; thin-bedded, tan calcareous sandstone, siltstone and marlstone in upper part; top not exposed in quadrangle |
| | Tgl, Lower part; algal and ostracodal limestone; cliff-forming, weathers white, forms limestone 50 feet; overlain by about 16 feet of bluish-white-weathering oil shale and minor marlstone in eastermost exposures, with average assays of 18 gallons per ton; section considerably thinner or missing west of Green River due to facies changes and replaced with algal limestones; uppermost beds, exposed in eastern part of quadrangle consist of light gray sandstone and marlstone with few thin oil shale beds; total thickness of lower part is about 110 feet. |
| Twn | WASATCH FORMATION, NEW FORK TONGUE (EOCENE) —Sandstone, yellowish-brown to buff, weathers brown, massive, commonly crossbedded and locally conglutular, locally conglomeratic, interbedded with greenish-gray to bluish-green and gray mudstone; fossil turtle remains, land snail and mammal teeth found; about 230-260 feet thick. |
| Tgf | GREEN RIVER FORMATION, FONTENELLE TONGUE (EOCENE) —Limestone, blue-gray to gray, platy, thinly laminated, dense, cliff-forming, weathers light-gray to white; interbedded with sandy and shaly limestone and some fine-grained sandstone and siltstone; fossil gastropods and ostracods found; thickness about 40-60 feet. |
| Twl | WASATCH FORMATION, LA BARGE MEMBER (EOCENE) —Mostly red-banded to maroon with some purple, gray, green and yellow mudstones; interbedded with buff to gray and maroon siltstones and commonly lenticular sandstone and conglomeratic sandstone; fossil mammal jaw fragments and teeth, turtle bones and land snails, crocodile teeth and garpike scales found; base not exposed in quadrangle. |

EXPLANATION OF MAP SYMBOLS

- | | |
|---|--|
|  | CONTACT - Dashed where approximately located |
|  | STRIKE AND DIP OF BEDS |
|  | DRY HOLE - DRIED FOR OIL OR GAS |
|  | OIL WELL |
|  | GAS WELL |
|  | OIL AND GAS WELL |
|  | ABANDONED OIL WELL |
|  | ABANDONED GAS WELL |
|  | ABANDONED OIL AND GAS WELL |
- Well data from Bureau of Land Management Records
Water, and gas and water input and converted wells are not shown
- Multiply feet (ft) by 0.3048 to obtain meters (m)

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This map has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.